**® LAPP GROUP** 

Accessories for INDUSTRIAL networking

LAN cables for structured industrial cabling















# ETHERLINE® Cat.5 ARM

### **Fixed installation**

### LAPP KABEL STUTTGART ETHERLINE Y2Y ARM TYPE A CAT.5

- · Very low installation cost due to the use of Ethernet cables
- EMC-optimised
- With armouring for improved rodent pro-
- Screened against interference

#### Application range

- Can be used for Industrial Ethernet in harsh industrial environments
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- Suitable for outdoor use, UV-resistant
- PROFINET application Type C but for fixed installation
- Suitable for direct burial

#### Product features

- CAT.5-Performance
- · Colour-coded in accordance with PROFINET for Cat.5 apllications

#### ■ Product make-up

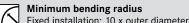
- Solid and bare copper conductor
- Core insulation: PE
- Overlapping plastic tape
- SF/UTP: copper braid and foil screening as overall screening
- Inner sheath made of PVC (green RAL6018)
- 2 layer galvanzid steel tape
- Outer sheath made of black polyethylene

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- Industrial Ethernet cable
- CAT.5-Performance

## Technical data





Flexing: 15 x outer diameter

Test voltage Core/core: 2000 V Core/screen: 2000 V

**Temperature range** Operation: -40 °C to +70 °C During installation: -20°C to +60°C

Characteristic impedance 100 Ohm +- 15%

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Fixed installation					
2170496	ETHERLINE® Cat.5 ARM	2 x 2 x AWG22/1	9.3	30.4	124

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths Packaging size: coil  $\le 30 \text{ kg or} \le 250 \text{ m}$ , otherwise drum

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

Photographs are not to scale and do not represent detailed images of the respective products















# ETHERLINE® Cat.5 FRNC HYBRID

#### Flexible use

# LAPP KABEL STUTTGART ETHERLINE® FRNC HYBRID



## Benefits

- Industrial use
- Screened against interference

# Application range

- Industrial Ethernet cable
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- PROFINET application Type C Hybrid
- Suitable for EtherCAT and EtherNet/IP applications

# Product features

- Flame-retardant according IEC 60332-1-2
- HYBRID: cable for data transmission + power supply
- Robust, halogen-free outer sheath
- CAT.5-Performance

## ■ Norm references / Approvals

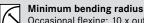
UL AWM Style 21282

# Product make-up

- Cores for Power Supply 4 x 1.5 mm2 (AWG 16)
- Data transfer: braided conductor, 7-wire,
- Screening: wrapped with foil and braided copper wires
- Twisting: data pairs and power supply pairs twisted together
- Overlapping plastic tape
- FRNC outer sheath
- Colour: green (based on RAL 6018)

HYBRID: cable for data transmission + power supply

#### Technical data

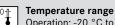


Occasional flexing: 10 x outer diameter

Fixed installation: 5 x outer diameter



**Test voltage** See data sheet



Operation: -20 °C to +70 °C Characteristic impedance



- GALLO TELLORINATION								
Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)			
Flexible use								
2170887	ETHERLINE® Cat.5 FRNC HYBRID	2x2xAWG22/7 + 4x1.5	10.3	94.2	153			

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

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